

Amendments to the Claims:

Sub EIT 1. (Currently Amended) A shock-resistant system for operatively interconnecting modules within a computer system to enable data to be transmitted and received therebetween comprising:

a. a first module having a first media access control logic circuit ~~formed thereon~~ for transmitting and receiving data substantially conforming to a standardized infrared communications scheme protocol;

b. a second module having a second media access control logic circuit ~~formed thereon~~ for transmitting and receiving data substantially conforming to said standardized infrared communications scheme protocol utilized by said first module; and

c. a single hardwired electrical conductor signal path connecting said first and second modules to facilitate electrical bi-directional communications between said first and second media access control logic circuit only through said hardwired electrical conductor signal path.

2. (Original) The system of Claim 1 wherein said infrared communications scheme protocol comprises a protocol developed by the Infrared Data Association.

3. (Original) The system of Claim 1 wherein said first and second modules are housed within an enclosure.

4. (Original) The system of Claim 1 wherein said first and second modules are operative to run an embedded application.

5. (Currently Amended) The system of Claim 1 wherein said system comprises a multiplicity of modules, wherein each respective one of said multiplicity of modules comprises ~~has~~ at least one dedicated transmitter element and receiver element within said module ~~formed thereon~~, each respective one of said multiplicity of modules being electrically interfaced to one another via said transmitter and receiver elements ~~formed thereon~~ such that said modules are operative to transmit and receive data therebetween.

6. (Currently Amended) A method for operatively interconnecting modules within a computer to enable data to be transmitted and received therebetween comprising:

a. providing a first module having a first media access control logic circuit ~~formed thereon~~ for transmitting and receiving data substantially conforming to a standardized infrared communications scheme protocol;

b. providing a second module having a second media access control logic circuit ~~formed thereon~~ for transmitting and receiving data substantially conforming to a standardized infrared communications scheme protocol;

c. forming a single hardwired electrical conductor signal path solely connecting the first and second media access control logic circuits; and

d. communicating electrically between the first and second modules only through said single hardwired electrical conductor signal path bi-directionally using the standardized infrared communications scheme protocol.

7. (Original) The method of Claim 8 wherein in steps a) and b), said infrared communications scheme protocol comprises a protocol developed by the Infrared Data Association.

8. (Original) The method of Claim 8 wherein in steps a) and b), said first and second modules are housed within an enclosure.

9. (Currently Amended) The method of Claim 8 wherein in step c), said first and second ~~circuit~~ modules are operatively coupled to run an embedded application.

10. (New) The system of Claim 1 wherein said modules comprise of at least one of an individual circuit board and a daughter card.

11. (New) The system of Claim 1, further comprising at least one alternative single hardwired electrical conductor signal path connecting said first and second modules to facilitate electrical bi-directional communications between said

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concl. first and second media access control logic circuit only through said ~~respective one of~~
~~said at least one alternative hardwired electrical conductor signal path.~~
